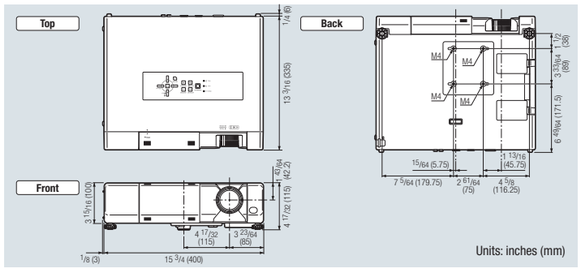
PG-D4010X/D3750W

The PG-D3750W is identical in appearance to the PG-D4010X with the exception of the model number indication.

Dimensions (PG-D4010X/D3750W)



Optional Accessories

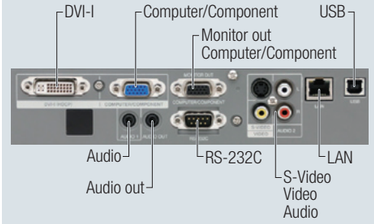
Lamp

AN-D400LP

USB Remote Receiver

AN-MR2

Rear terminals (PG-D4010X)



Specifications

Model		PG-D4010X	PG-D3750W
Display devices		0.7" DLP® chip x 1	0.65" DLP® chip x 1
Resolution		XGA (1,024 x 768)	WXGA (1,280 x 800)
Brightness		4,200 ANSI lumens	3,700 ANSI lumens
Contrast ratio		2,500:1	2,200:1
Lens	F number	F 2.5 to 2.7	
	Zoom	Manual, x 1.15 (f = 21.0 to 24.2 mm)	
	Focus	Manual	
Picture size		40" (1.2 to 1.4 m), 100" (3.0 to 3.4 m), 500" (14.9 m)	40" (1.3 to 1.5 m), 100" (3.2 to 3.7 m), 500" (16.1 m)
Projection distance		40" (102 cm) to 500" (1,270 cm)	
Input signals	Computer RGB	UXGA*1*2 / WSXGA+*1*2 / SXGA+*1 / SXGA*1 / WXGA*1 / XGA / SVGA / VGA Mac 21" / 19" / 16" / 13"	UXGA*1*2 / WSXGA+*1*2 / SXGA+*1 / SXGA*1 / WXGA / XGA / SVGA / VGA Mac 21" / 19" / 16" / 13"
	DTV	1080P / 1080I / 720P / 576P / 576I / 540P / 480P / 480I NTSC / PAL / SECAM	
Input terminals	HDMI	—	1
	DVI-I (Compatible with HDCP)	1	—
	Computer / Component (mini D-sub 15 pin)	1	2
	S-Video (mini DIN 4 pin)	1	
	Video (RCA)	1	
	Audio (ø3.5mm stereo minijack)	1	
	Audio (RCA)	1 (L/R)	
Output terminals	Computer / Component (mini D-sub 15 pin)	1	
	Audio (ø3.5mm stereo minijack)	1 (variable audio output)	
Control and communication terminals	LAN (RJ-45)	1	
	USB (Type B)	1	
	RS-232C (mini D-sub 9 pin)	1	
Horizontal frequency		15 to 110 kHz	
Vertical frequency		45 to 85 Hz	
Speakers		5 W x 2 (Stereo)	
Fan noise		37 dB (Bright), 30 dB (Eco+Quiet)	
Projection lamp		330 W	
Lamp life		3,000 hours (Eco+Quiet)	
On-screen display languages		English, German, Spanish, Dutch, French, Italian, Swedish, Portuguese, Russian, Polish, Hungarian, Turkish, Arabic, Persian, simplified Chinese, Korean, Japanese	
Rated voltage		AC100 to 240V	
Rated frequency		50 / 60Hz	
Input current		4.5 A	
Power consumption (Standby)		429 W (10.2 W) with AC 100V, 408 W (10.8 W) with AC 240V	
Operation temperature		41°F to 95°F (+5°C to +35°C)	
Cabinet		Plastic	
Dimensions (main body only) W x H x D		15 3/4" x 4 15/16" x 13 13/64" (400 x 100 x 335 mm)	
Weight (appprox.)		12.8 lbs. (5.8 kg)	
Supplied accessories		Remote control, Two R-6 batteries, Power cord (6' (1.8 m)), RGB cable (10' (3.0 m)), Operation manual, CD-ROM	

Design and specifications are current as of January 2009, but are subject to change without notice.
*1 Compatible in intelligent compression
*2 Compatible only with analogue RGB signals depending on the signal.

• DLP® and the DLP logo are resistered trademarks of Texas Instruments, and BrilliantColor™ is a trademark of Texas Instruments.
• All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers. Sharp makes no warranties or representations of any kind with respect to these products.

• The lamp life may vary depending on the usage condition.

SHARP

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SHARP

PG-D4010X/D3750W

True XGA/WXGA Data Projectors

The New DLP® Projectors Provide Enhanced Convenience and Reliability As Well As Superb Performance with High-Quality, High-Brightness Picture Using Brilliant Color™ Technology

PG-D4010X

Notevision

PICTURE BY DLP TEXAS INSTRUMENTS

FEATURES BrilliantColor™ With Multi-Color Processing For Rich, Vibrant Colors! DLP

WXGA 1280×800 (PG-D3750W)

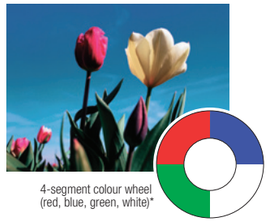
HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE (PG-D3750W)

High-Quality Picture with Brilliant Color™ As Well As Simple, Reliable and Convenient Functions to Provide Your Presentation with Satisfying Effects

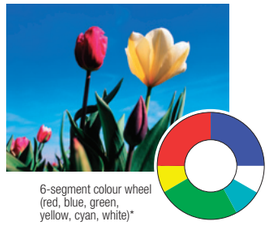
High-Quality Picture

BrilliantColor™ Technology with Six-Segment Colour Wheel

BrilliantColor™ Technology improves picture brilliance particularly for intermediate colours, providing natural, detailed images. Sharp has also developed a 3x Speed Colour Wheel with six colour segments including yellow and cyan added to red, green, blue, and white. With Sharp's unique colour matching technology and these six colour combinations, images can be reproduced with highly realistic colours.



4-segment colour wheel (red, blue, green, white)*



6-segment colour wheel (red, blue, green, yellow, cyan, white)*

High Brightness: 4,200 ANSI lumens (PG-D4010X)

Sharp's advanced optoelectronics technology maximizes light output, providing crystal clear images in amazingly high brightness.

WXGA Compatibility (PG-D3750W)

The 16:9 wide-screen aspect ratio is becoming increasingly common for TV broadcasts and computers, and the PG-D3750W uses wide-screen-compatible WXGA (1,280 x 800). WXGA (wide XGA) provides a viewing area 1.3 times wider than standard XGA (1,024 x 768). Cable and satellite broadcasts as well as DVD videos can be viewed in their full native size.

WXGA (16:10) Panel

The full native-size picture is displayed.

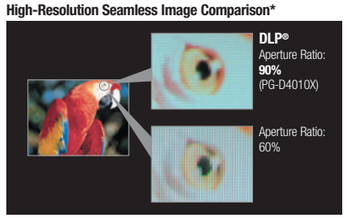
XGA (4:3) Panel

Parts of the picture are not displayed.

DLP® Digital Image

Using a DLP® chip, each pixel is individually composed of one of over a half a million micromirrors to produce a high resolution, and the micromirrors lie at a distance of merely one micron, providing a seamless finely detailed picture. Also, high-speed on/off switching delivers smooth moving scenes.

High-Resolution Seamless Image Comparison*



DVI or HDMI Terminal with DLP® System for Full Digital Projection

Full digital projection with the DVI (PG-D4010X) or HDMI (PG-D3750W) input terminal and DLP® system enables virtually noise-free images from digital sources. The terminals also comply with High-bandwidth Digital Content Protection (HDCP) to support digital video content in high-definition.

Convenience and Reliability

Sliding Lens Cover

The lens cover can be slid closed to protect the lens from dust and damage while the projector is not being used. It is possible to completely close the lens cover and interrupt the projection with the power still on. If the lens cover is kept closed for 30 minutes, the Auto Power Off function automatically turns off the power for safety.

Lens Cover Open **Lens Cover Closed**

CEC (Consumer Electronics Control) Function* (PG-D3750W)

- One-Touch Play: The PG-D3750W automatically turns on when you press the play button on a video device connected with an HDMI cable.
- System Standby: The video device automatically turns off when you turn the PG-D3750W off.

* The PG-D3750W is CEC compatible with Sharp video products.

Sealed Optics

The optical mechanism of DLP® system projectors is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics.

Front Lamp Replacement System

You can exchange the lamp easily and safely even when the projector is mounted on the ceiling or in another high location.

Safe Lamp Housing Structure

When the lamp is removed from the projector for replacement, the lamp door automatically closes, ensuring safe replacement in the event that the lamp breaks.

Filter-Free Design

When the projector is being used, the lamp door remains open, and the lamp heat burns off dust, so there is no need to worry about filter clogging or costs for filter replacement.

Security Bar

A reinforcing bar for the antitheft cable is mounted at the corner of the projector for theft prevention.

Metal Security Plate

The joint area for the ceiling mount adaptor is reinforced by a metal plate that deters theft.

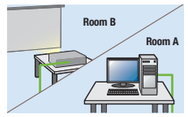
SHARP's Unique Network System

Web Browser Control

Web browser control enables remote access and management of the projector by utilizing built-in firmware without the need for additional special software.

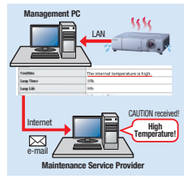
- **Remote Access for Control and Adjustment**

Projector control functions, including power on, input select, volume, and AV mute, can be controlled and adjusted by a computer even in another room.



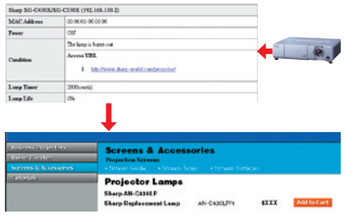
- **Diagnosis and Auto Email Alert**

Email is automatically sent to appointed addresses when detecting an error message, such as the lamp going out, unusual heating or cooling fan breakdown.



- **Link to a Specific Website for Service and Support**

The projector can be registered to a specific website for maintenance service and support. For example, the projector can send an error message, such as to notify that the lamp is burnt out, to a web address automatically selected. The address accessed for maintenance is also shown on the display.



Control with Downloadable Display Manager

A greater variety of network projector control options can be used when the Sharp Display Manager* is installed on the main computer.

* Sharp Display Manager can be downloaded from the Sharp Global Home Page for free.
Sharp Global Homepage URL: http://sharp-world.com/

- **Remote Access for Multiple and Group Projector Control**
- **Periodic/Error Diagnosis and Auto Email Alert**
- **Theft Detection and Message (Network Surveillance System)**

PJLink™ Capability

The PG-D4010X/D3750W is compatible with devices that support PJLink™, enabling systems to be easily built for centralized management and operation using a controller.
For additional information about the PJLink™, visit http://pjlink.jbmia.or.jp/english/

Control System Compatibility

The PG-D4010X/D3750W provides superior compatibility with various control systems such as Crestron, AMX and Extron.

Easy and Convenient Presentation Operations

High-Output Stereo Speakers

Enjoy clear audio with 10 W of power (5 W x 2) from videos or other sources without troublesome connections to audio devices.

Quick Start

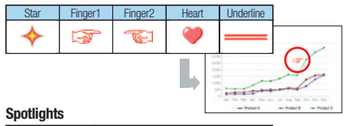
It takes only approx. 3 seconds to project the image.

Remote Control with GUI Pointer and Spotlight

Five different icons can be displayed to effectively use for your presentations.
Three spotlight sizes, ranging from 1/25, 1/9 or 1/8 the screen, provide visual effects to focus on the specified subject.

The photo above is for the PG-D4010X.

Pointer Icons



Spotlights

Interactive Help Menu

The help menu displays any problems and assists the user in solving problems with operation.

Direct Power Off

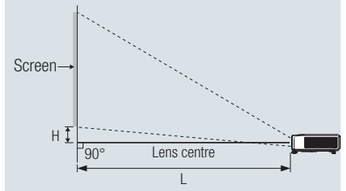
Direct Power Off lets users unplug the projector and take it from the location without waiting for it to cool down. In addition, it also helps control the power simultaneously for multiple projectors by allowing use of the room's primary power switch and the projector's auto restart function.

Other Outstanding Features

- **Condenser Lens Optics**
  Crisp detail, sharper black and ghost-less image.
- **4:3 and 16:9 Aspect Ratios and HDTV/DTV and DVD Compatible**
  (1080P, 1080I, 1035I, 720P, 576P, 576I, 540P, 480P and 480I).
- **Image Shift Function**
  Images projected in 16 x 9 format can be vertically shifted for better viewing in limited spaces.
- **Theft Deterrent Function "System Lock"**
- **Key Lock Function**
- **1: 1.15x Manual Zoom and Focus**
- **30 dB Low Fan Noise (Eco+Quiet Mode)**

■ Correlation of the Projector to the Screen

Side View



Screen Size and Projection Distance

PG-D4010X NORMAL Mode (4:3)

Picture size			Projection distance [L]		Distance from the bottom of the image to the lens centre [H]
Diag.	Width (cm)	Height (cm)	Minimum	Maximum	
500"	400" (1016)	300" (762)	490" (14.9m)	—	4 15/32" (11cm)
300"	240" (610)	180" (457)	29'5" (9.0m)	33'11" (10.3m)	2 11/16" (7cm)
200"	160" (406)	120" (305)	19'7" (6.0m)	22'7" (6.9m)	1 51/64" (5cm)
100"	80" (203)	60" (152)	9'10" (3.0m)	11'4" (3.4m)	57/64" (2cm)
60"	48" (122)	36" (91)	5'11" (1.8m)	6'9" (2.1m)	17/32" (1cm)
40"	32" (81)	24" (61)	3'11" (1.2m)	4'6" (1.4m)	23/64" (1cm)

PG-D3750W NORMAL Mode (16:10)

Picture size			Projection distance [L]		Distance from the bottom of the image to the lens centre [H]
Diag.	Width (cm)	Height (cm)	Minimum	Maximum	
500"	424" (1077)	265" (673)	52'8" (16.1m)	—	33 1/32" (84cm)
300"	254" (646)	159" (404)	31'7" (9.8m)	36'5" (11.1m)	19 13/16" (50cm)
200"	170" (431)	106" (269)	21'1" (6.4m)	24'4" (7.4m)	13 7/32" (34cm)
100"	85" (215)	53" (135)	10'6" (3.2m)	12'2" (3.7m)	6 39/64" (17cm)
60"	51" (129)	32" (81)	6'4" (1.9m)	7'3" (2.2m)	3 31/32" (10cm)
40"	34" (86)	21" (54)	4'3" (1.3m)	4'10" (1.5m)	2 41/64" (7cm)

* Allow a margin of error in the above values.